

Drawing File: \\3.201.3\3\5123-VA Shreveport 3rd and 4th Floors\Drawings\5123 E001_ E001_ 601-3.dwg
Plotted By: gregory.ignelaud
Plotted Date: Apr 20, 2015 - 10:00am
one-eighth inch = one foot

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
	DOWNLIGHT LIGHTING FIXTURE
	LINEAR LED OR FLUORESCENT LIGHTING FIXTURE
	LINEAR LED OR FLUORESCENT LIGHTING EMERGENCY FIXTURE ON NORMAL SWITCHED CIRCUIT WITH EMERGENCY CIRCUIT BACKUP.
	EXIT LIGHTING FIXTURE. ARROW, WHEN USED, INDICATES DIRECTION. TYPE "X" U.O.N.
	STSP SWITCH, 20A, 120/277V
	THREE-WAY SWITCH, 20 A, 120/277 V.
	MOTOR RATED SWITCH
	OCCUPANCY SENSOR, WALL MOUNTED.
	CEILING MOUNTED OCCUPANCY SENSOR
POWER DEVICES	
	DUPLEX CONVENIENCE RECEPTACLE, 20 A, 125 VAC, MOUNT 18" AFF UON.
	GFI RECEPTACLE ABOVE COUNTER, MOUNT 48" AFF OR 6" ABOVE BACKSPLASH OR COUNTER TOP WHERE COUNTER IS INDICATED.
	DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT PROTECTION. 20 A, 125 VAC.
	QUADRAPLEX CONVENIENCE RECEPTACLE MOUNTED IN TWO-GANG OUTLET BOX - RATED 20A, 125 VOLTS WITH SINGLE COVER PLATE.
	JUNCTION BOX
	DUPLEX RECEPTACLE, CEILING MOUNTED.
	QUADRAPLEX RECEPTACLE, SUSPENDED FROM CEILING
SYSTEMS	
	DATA/TELEPHONE OUTLET. X/X = # OF DATA/# OF VOICE CIRCUITS.
	FIRE ALARM PULL STATION
	FIRE ALARM STROBE APPLIANCE
	FIRE ALARM HORN/STROBE APPLIANCE
	SMOKE DETECTOR
	DUCT-MOUNTED SMOKE DETECTOR
	CABLE TELEVISION/MATV OUTLET. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED BY VA.
	VIDEO OUTLET. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED BY VA.
	DURESS ALARM PUSH BUTTON
	EMERGENCY PULL STATION NURSE CALL
	NURSE CALL DOME LIGHT, CEILING MOUNTED UON
	PUBLIC ADDRESS SPEAKER
	INTERCOM OUTLET (WALL MOUNTED)
	PAN/TILT/ZOOM SECURITY CAMERA LOCATION
EQUIPMENT CONNECTIONS	
	4" X 4" SQUARE JUNCTION BOX UON
	DISCONNECT SWITCH, 600V IN NEMA 1 ENCLOSURE UON.
	INTEGRAL DISCONNECT/STARTER
WIRE, CONDUIT AND RACEWAY	
	BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT. PROVIDE 2#12, 1#12 GND, 3/4"C UON.
	HOMERUNS TO PANEL. PANEL AND CIRCUIT DESIGNATIONS AS INDICATED.
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	LIFE SAFETY BRANCH EMERGENCY POWER CIRCUIT
	EQUIPMENT BRANCH EMERGENCY POWER CIRCUIT
DISTRIBUTION	
	PANELBOARD - 480Y/277V
	PANELBOARD - 208Y/120V

ABBREVIATIONS

A	AMPERE	MTD	MOUNTED
A/C	AIR CONDITIONING	N/C	NORMALLY CLOSED
AC	ABOVE COUNTER	N/O	NORMALLY OPEN
AFF	ABOVE FINISHED FLOOR	NEU	NEUTRAL
AWG	AMERICAN WIRE GAUGE	NIC	NOT IN CONTRACT
BLDG	BUILDING	P	POLE
C	CONDUIT	PA	PUBLIC ADDRESS
CCTV	CLOSED CIRCUIT TELEVISION	PH	PHASE
CKT	CIRCUIT	PNL	PANEL
DWG	DRAWING	PVC	POLY VINYL CHLORIDE
EF	EXHAUST FAN	QTY	QUANTITY
EMT	ELECTRICAL METALLIC TUBING	RE	RELOCATE
EX	EXISTING TO REMAIN	RF	RETURN FAN
FACP	FIRE ALARM CONTROL PANEL	REQ'D	REQUIRED
FCU	FAN COIL UNIT	SC	SPLIT CIRCUIT
FLA	FULL LOAD AMPS	SF	SUPPLY FAN
GFI	GROUND FAULT INTERRUPTER	S/N	SOLID NEUTRAL
GND	GROUND	SW	SWITCH
GRS	GALVANIZED RIGID STEEL	TEL	TELEPHONE
HP	HORSEPOWER	TGB	TELEPHONE GROUNDING BUSBAR
KCMIL	THOUSAND CIRCULAR MILS	TV	TELEVISION
KWH	KILOWATT HOUR	UH	UNIT HEATER
KVA	KILOVOLT AMPERE	V	VOLTS
LAN	LOCAL AREA NETWORK	VAC	VOLTS ALTERNATING CURRENT
LTG	LIGHTING	W	WIRE
MB	MAIN CIRCUIT BREAKER	WP	WEATHERPROOF
MLO	MAIN LUG ONLY	XFMR	TRANSFORMER

NOTES:

(RISER DIAGRAM ONLY)

- EXISTING SQUARE 'D' HCP I-LINE, 1200 AMP, 480V, 3Ø, ELECTRICAL PANELBOARD, LOCATED IN BASEMENT ELECTRICAL CLOSET.
- EXISTING G.E. TYPE CCB, 600 AMP, 208/120, 3Ø, ELECTRICAL PANELBOARD, LOCATED IN SUBBASEMENT MECHANICAL ROOM.
- 480V-120/208V, 3 PHASE 75KVA PAD MOUNTED DRY TYPE TRANSFORMER.
- PROVIDE NEW 400 AMP/3 POLE BREAKERS IN PANEL HDP1 FOR FEED TO NEW PANELS HDP3 AND HDP4. MAKE ALL CONNECTIONS AS REQUIRED.
- 4#500KCMIL, 3Ø, 4"C.
- CONTRACTOR SHALL USE EXISTING CONDUIT STUB UPS ROUTED FROM PANEL HDP1 THROUGH SECOND FLOOR NEAR COLUMN H4. COORDINATE EXACT LOCATIONS AND EXTEND TO MAKE CONNECTIONS TO PANELS HDP3 AND HDP4.
- 480V-120/208V, 3 PHASE 15KVA PAD MOUNTED DRY TYPE TRANSFORMER. COORDINATE EXACT MOUNTING LOCATIONS PRIOR TO ROUGH-IN.
- 3#3, 3Ø, 1-1/4"C.
- ROUTE 4#2, 3Ø, 1-1/2"C AND INTERCEPT EXISTING FEEDER FROM RELOCATED PANEL PLP1 IN CEILING OF SECOND FLOOR STAIR TOWER.
- EXISTING SQUARE 'D' ELEVATOR EQUIPMENT ROOM PANEL PLP1 TO BE RELOCATED TO NEW ELEVATOR EQUIPMENT ROOM ABOVE FOURTH FLOOR.
- 500 KW, 480V, 3Ø DIESEL GENERATOR.
- 800 AMP, 480V, 3Ø, AUTOMATIC TRANSFER SWITCH, IN A NEMA 3R ENCLOSURE.
- 2 SETS: 4#500KCMIL, 3Ø, 4"C.
- 800 AMP/3 POLE/NEMA 3R ENCLOSED CIRCUIT BREAKER.
- EXISTING 277/480V, 3Ø, 4W ELECTRICAL PANEL HM1.
- ROUTE CONDUIT, CONDUCTORS, AND TAP MAIN LUGS OF EXISTING PANEL HM1. COORDINATE PENETRATION THROUGH NEMA 3R ENCLOSURE OF EXISTING PANEL HM1, AND PROVIDE NEW CONDUIT CONNECTION TO MEET NEMA 3R REQUIREMENTS.
- 4#350, 3Ø, 1-1/2"C.
- 225 AMP/3 POLE ENCLOSED CIRCUIT BREAKER.
- 480V-120/208V, 3 PHASE 150 KVA PAD MOUNTED DRY TYPE TRANSFORMER.
- EXISTING 60 AMP, 480V/277 1Ø, ELECTRICAL PANEL LSH1 LOCATED IN BASEMENT CLOSET BS-04A. PROVIDE A NEW 40 AMP/2 POLE BREAKER IN SPACE AVAILABLE.
- 480V-120/208V, 3 PHASE 30 KVA PAD MOUNTED DRY TYPE TRANSFORMER IN NEMA 3R ENCLOSURE.
- EXISTING 600 AMP, 120/208V, 3Ø, ELECTRICAL PANEL SBEC2A LOCATED IN HOSPITAL SUB-BASEMENT MECHANICAL ROOM. PANEL IS GENERAL ELECTRIC TYPE CCB. PROVIDE A NEW 100 AMP/3 POLE BREAKER IN SPACE AVAILABLE.
- 4#1, 3Ø, 2"C.

ELECTRICAL NOTES

GENERAL

- VISIT SITE PRIOR TO SUBMISSION OF BID FOR A THOROUGH REVIEW OF EXISTING CONDITIONS THAT MAY AFFECT WORK. CONTRACTOR SHALL NOTIFY ENGINEER OF EXISTING CONDITIONS THAT MAY REQUIRE WORK NOT IDENTIFIED WITHIN DOCUMENTS PRIOR TO BID. COORDINATE WITH VAMC CONTRACTING OFFICER'S REPRESENTATIVE (COR) WHERE WORK REQUIRES DISRUPTION OF POWER SERVICE OF ANY AREAS OUTSIDE OF AREA OF WORK. PROVIDE A WRITTEN NOTICE TO VAMC COR A MINIMUM OF SEVEN DAYS PRIOR TO OUTAGE INDICATING REQUIRED OUTAGE AND DURATION AS AGREED UPON WITH THE VAMC COR.
- PROVIDE ALL ELECTRICAL DISCONNECTION AND RECONNECTION OF EXISTING EQUIPMENT REQUIRED BY ALL TRADES.
- ALL WORK SHALL COMPLY WITH VA REGULATIONS AND REQUIREMENTS.
- WHERE WORK DISRUPTS EXISTING CONDITIONS, RESTORE EXISTING EQUIPMENT AND RESTORE ALL WALLS, FLOORS, CEILINGS, ETC. AND TO ORIGINAL CONDITION. REPAIR, PATCHING AND PAINTING OF WALLS, FLOORS AND CEILINGS SHALL BE PROVIDED PER ARCHITECTURAL SPECIFICATIONS. DISCONNECT AND RECONNECT ALL EXISTING EQUIPMENT AND DEVICES TO REMAIN AS REQUIRED TO RESTORE TO EXISTING OPERATING CONDITIONS.
- PROVIDE ONE SET OF REPRODUCIBLE AS-BUILT DOCUMENTS INDICATING ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS. UPDATE PANEL SCHEDULES IN EXISTING PANELBOARDS AFFECTED BY THE PROJECT RENOVATION PER VA DESIGN MANUAL REQUIREMENTS INDICATING ACCURATE CIRCUIT DESCRIPTION, ROOM LOCATION AND CIRCUIT BREAKER FOR EACH AFFECTED CIRCUIT POSITION. PROVIDE TYPED PANEL SCHEDULES. HAND-WRITTEN PANEL SCHEDULES ARE NOT PERMITTED.

LIGHTING FIXTURE SCHEDULE					
MARK	DESCRIPTION	SPECIFICATION (OR EQUAL)	LOCATION	VOLTS	LAMP
A	INTERIOR 2'X4' LENSED FIXTURE WITH MULTI-VOLT DRIVER.	H.E. WILLIAMS 50F-S24-328T8S-SA12125-EB3-UNV-LP835	SPD AREA	277	T8
B	INTERIOR 2'X4' VOLUMETRIC FIXTURE WITH MULTI-VOLT DRIVER.	H.E. WILLIAMS 50G-S24-328T8S-SA12125-EB3-UNV-LP835	OFFICES, CONTROL, EXAM	277	T8
C	INTERIOR 2'X2' VOLUMETRIC FIXTURE WITH MULTI-VOLT DRIVER.	H.E. WILLIAMS 50G-S22-214T8S-SA12125-EB2-UNV-LP835	OFFICES, BATHROOM	277	T8
D	INTERIOR 1'X4' LENSED FIXTURE WITH MULTI-VOLT DRIVER.	BEGHELLI BS100T8-4'-HT-228W-120/277	UTILITY ROOMS, SUPPLY, MECH	277	T8
E	INTERIOR LENSED FIXTURE WITH MULTI-VOLT DRIVER.	H.E. WILLIAMS WMA-4'-128T8S-A-EB1-UNV	ABOVE MIRRORS IN TOILETS	277	T8
F	INTERIOR LED DOWN LIGHT	PEACHTREE 6BLRD-EN-18-35K-W-CA-120V	SHOWER	277	LED
G	INTERIOR LED 2'X4' LENSED FIXTURE	EVERBRITE HBT8T-22	CT SCAN ROOM	277	LED
H	INTERIOR 2'X4' LENSED FIXTURE	H.E. WILLIAMS 50G-S24-228T8S-SA12125-EB2-UNV-LP835	ELEVATOR LOBBY	277	T8
I	WALL MOUNTED FIXTURE	ADVENT AW-10474-IF39-277-FP04	ELEVATOR LOBBY WALL MOUNT	277	
J	INTERIOR DOWN LIGHT	INTENSE IF4-26-ADV27-ICF40W/C	ELEVATOR LOBBY DOWN LIGHT	277	LED
K	INTERIOR 2'X4' LENSED FIXTURE	H.E. WILLIAMS 50G-S24-428T8S-SA12125-EB2/2-UNV-LP835	ELEVATOR LOBBY	277	T8
L	LINEAR SUSPENDED INDIRECT	FINELITE S12-ID-DCO-20'-2T5-SC-91W-OPEN-277V-FA-FE-CA-0.88-LP835	CONFERENCE ROOMS, SUSPENDED	277	T5
M	INTERIOR LED DOWN LIGHT	H.E. WILLIAMS LED60-OS30/840-CS-EDD*OS-277V	CONFERENCE ROOMS, READING ROOMS	277	LED
N	INTERIOR LED DOWN LIGHT	EVERBRITE XLS-3.0-35-120-R-C-*	MRI SCAN ROOMS	120	LED
P	LINEAR WALL SCONCE	FINELITE S12WM-ID-DCO-4'-1T5-SC-91W-277V-SUR-FE-0.88-LP835	READING ROOMS	277	T5
R	INTERIOR LED 2'X2' LENSED FIXTURE	H.E. WILLIAMS DIG-S22-214T8S-WPR-EB2-UNV-LP835	WAITING ROOMS	277	T8
X	EXIT LIGHT	LITHONIA EDGR-R-SD	PATH OF EGRESS	277	LED

ELEVATOR EQUIPMENT ROOM

ROOF

FOURTH FLOOR

THIRD FLOOR
SECOND FLOOR
FIRST FLOOR

BASEMENT

SUB-BASEMENT

ELECTRICAL RISER DIAGRAM

SCALE: NONE

FINAL SUBMITTAL

		CONSULTANTS:		<div><div>CLARK•NEXSEN</div><div>440 MARTIN LUTHER KING, JR. BLVD. MACON, GA 31201 478-743-8415 FAX 478-743-8239 WWW.CLARKNEXSEN.COM</div></div>		<div><div>RANDY PEACOCK Licence No. 00557 REGISTERED PROFESSIONAL ENGINEER</div></div>		ARCHITECT:		<div><div>TOLAND MIZELL MOLNAR</div><div>590 Means Street NW, Suite 200 Atlanta, GA 30318 404.214.9774</div></div>		Drawing Title: LEGEND, SCHEDULES AND RISER DIAGRAM ELECTRICAL		Project Title: EXPAND RADIOLOGY AND SPS OVERTON BROOKS VAMC		Project Number: 667-083		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT <div> U.S. Department of Veterans Affairs</div>	
								Approved: Project Director		Location: SHREVEPORT, LA		Building Number: 1		Drawing Number: E001					
Revisions:		Date								Date: 04-17-2015		Checked: CBC		Drawn: TWG		Dwg. 146 of 160			